

FIG.1

10/019124-102501

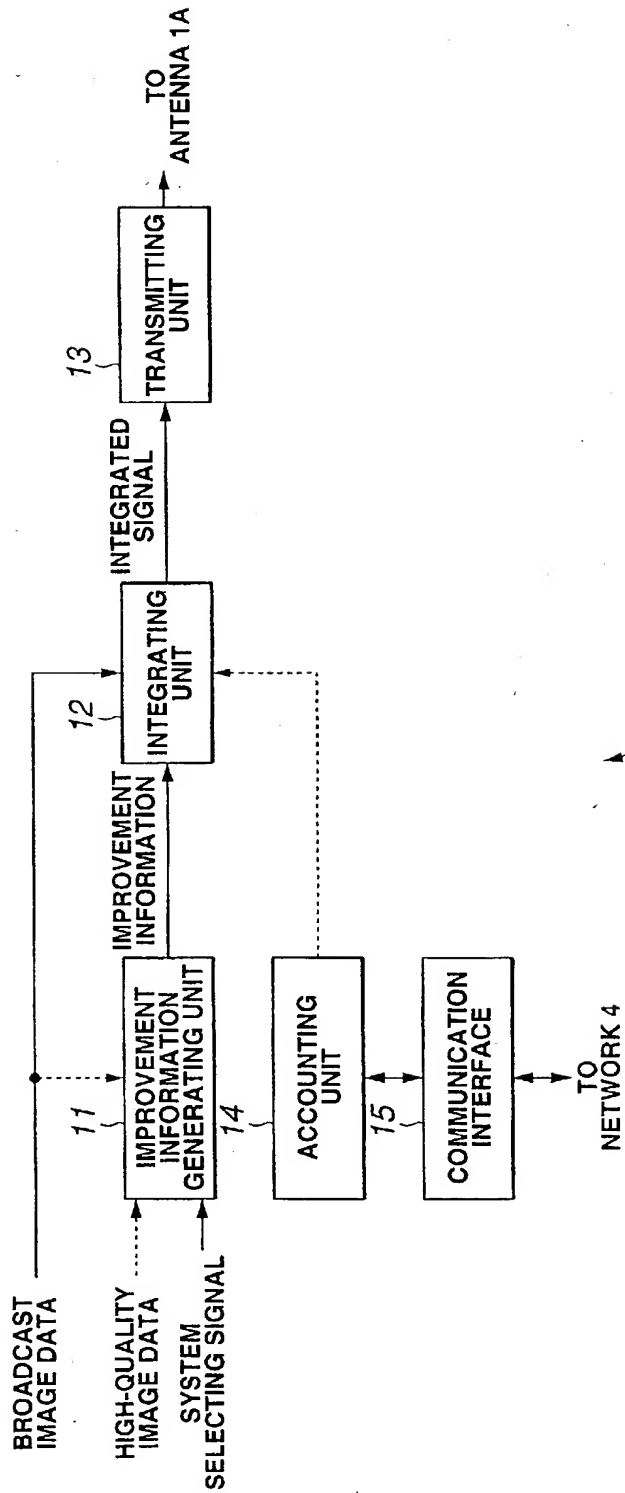


FIG.2

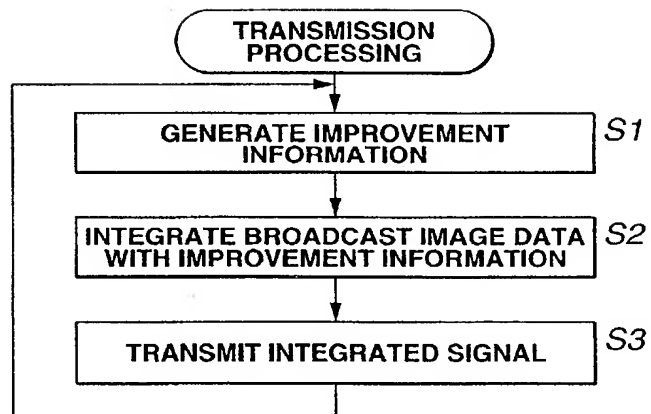


FIG.3

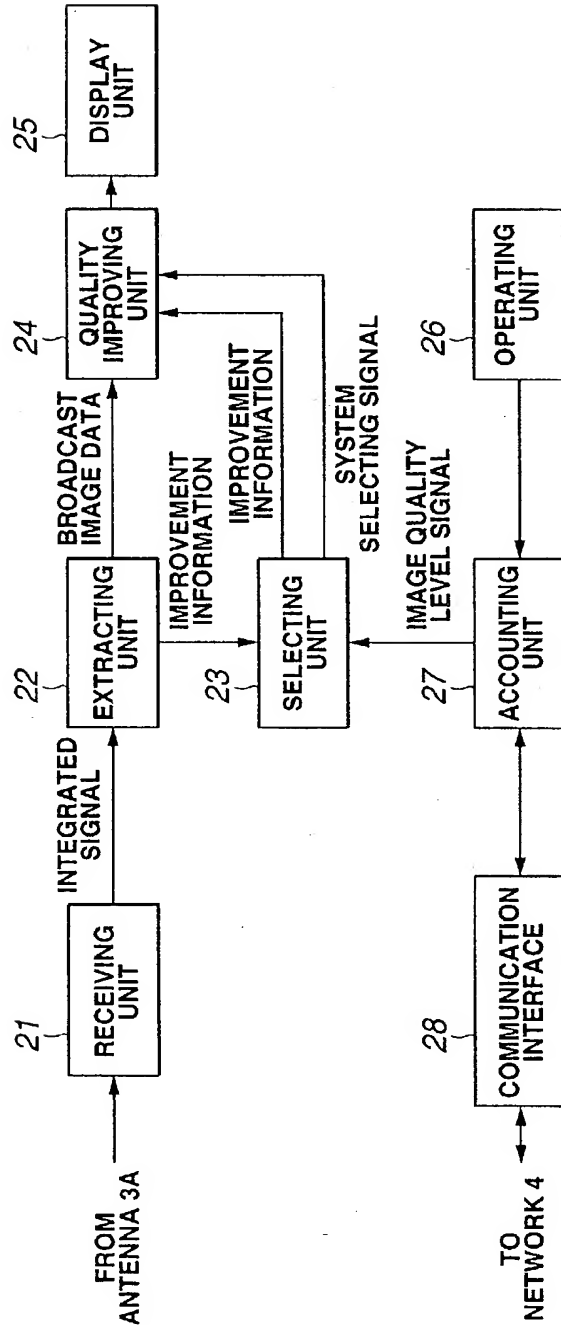


FIG.4

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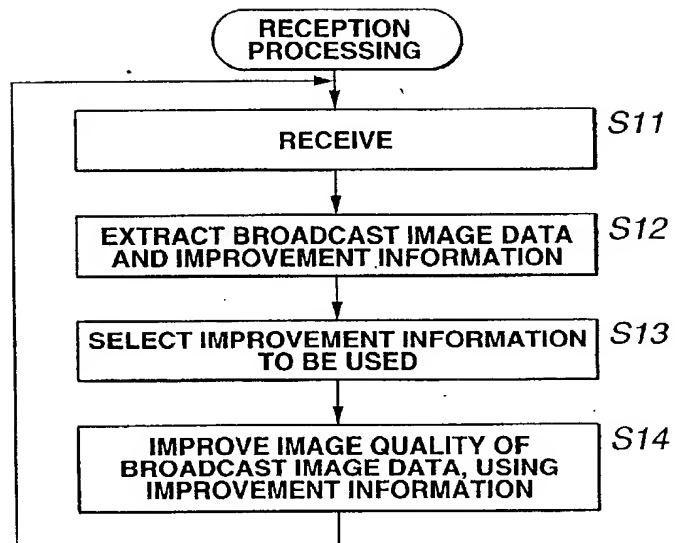


FIG.5

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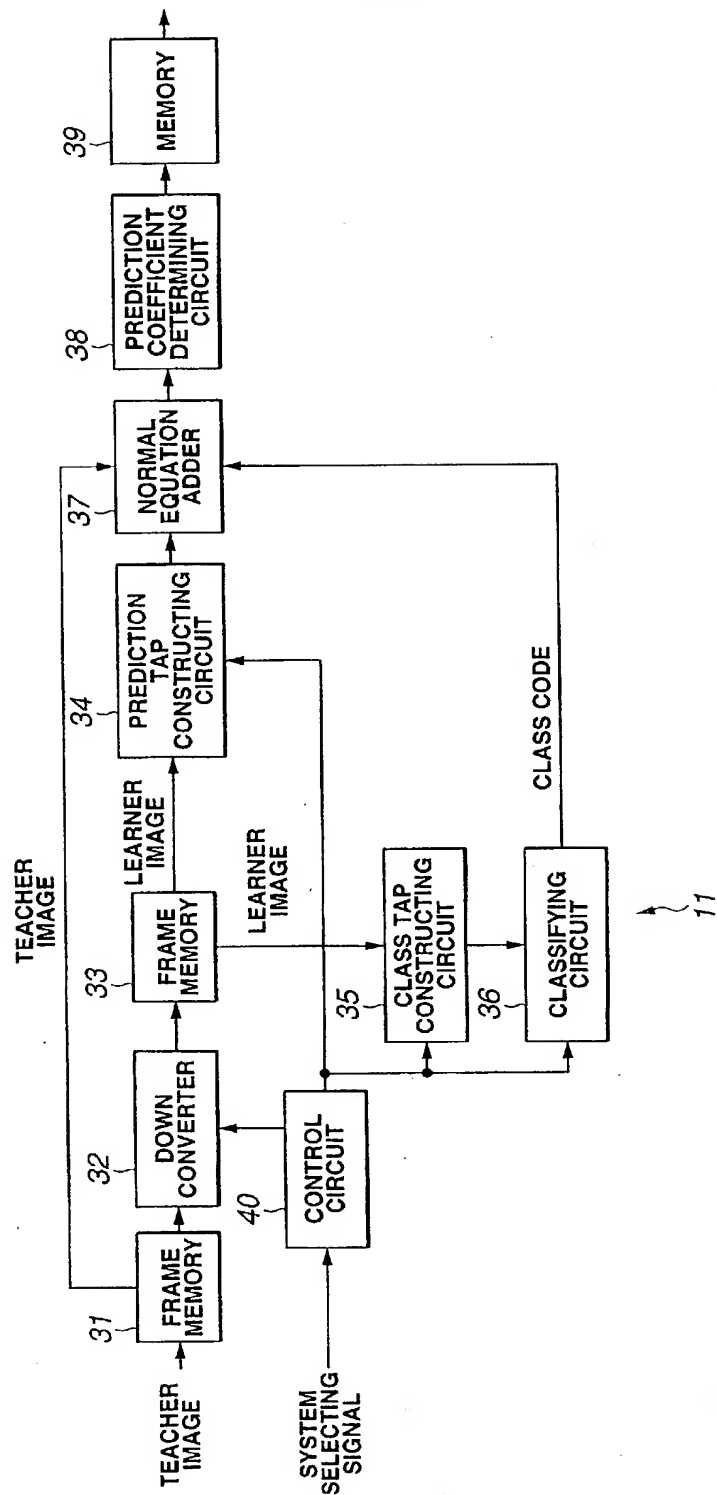


FIG. 6

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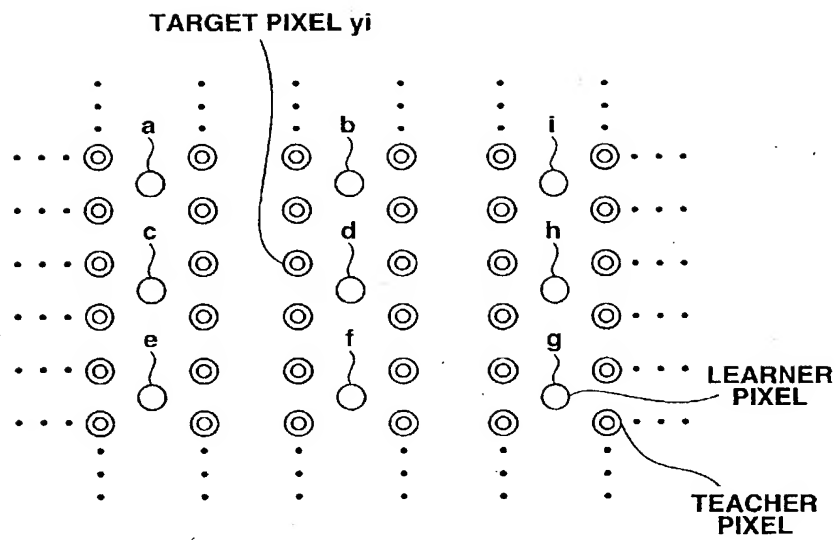


FIG.7

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FIG.8A

SYSTEM SELECTING SIGNAL	IMPROVEMENT SYSTEM
0	LINEAR INTERPOLATION
1	ADAPTIVE PROCESSING (MONO-CLASS)
2	CLASSIFICATION ADAPTIVE PROCESSING

FIG.8B

SYSTEM SELECTING SIGNAL	IMPROVEMENT SYSTEM
0	LINEAR INTERPOLATION
1	CLASSIFICATION ADAPTIVE PROCESSING (SMALL NUMBER OF CLASSES)
2	CLASSIFICATION ADAPTIVE PROCESSING (LARGE NUMBER OF CLASSES)

FIG.8C

SYSTEM SELECTING SIGNAL	IMPROVEMENT SYSTEM
0	LINEAR INTERPOLATION
1	CLASSIFICATION ADAPTIVE PROCESSING (LOW COEFFICIENT PERFORMANCE)
2	CLASSIFICATION ADAPTIVE PROCESSING (HIGH COEFFICIENT PERFORMANCE)

FIG.8D

SYSTEM SELECTING SIGNAL	IMPROVEMENT SYSTEM
0	LINEAR INTERPOLATION
1	ADAPTIVE PROCESSING USING CLASSIFICATION BY THRESHOLD VALUE
2	ADAPTIVE PROCESSING USING CLASSIFICATION BY ADRC

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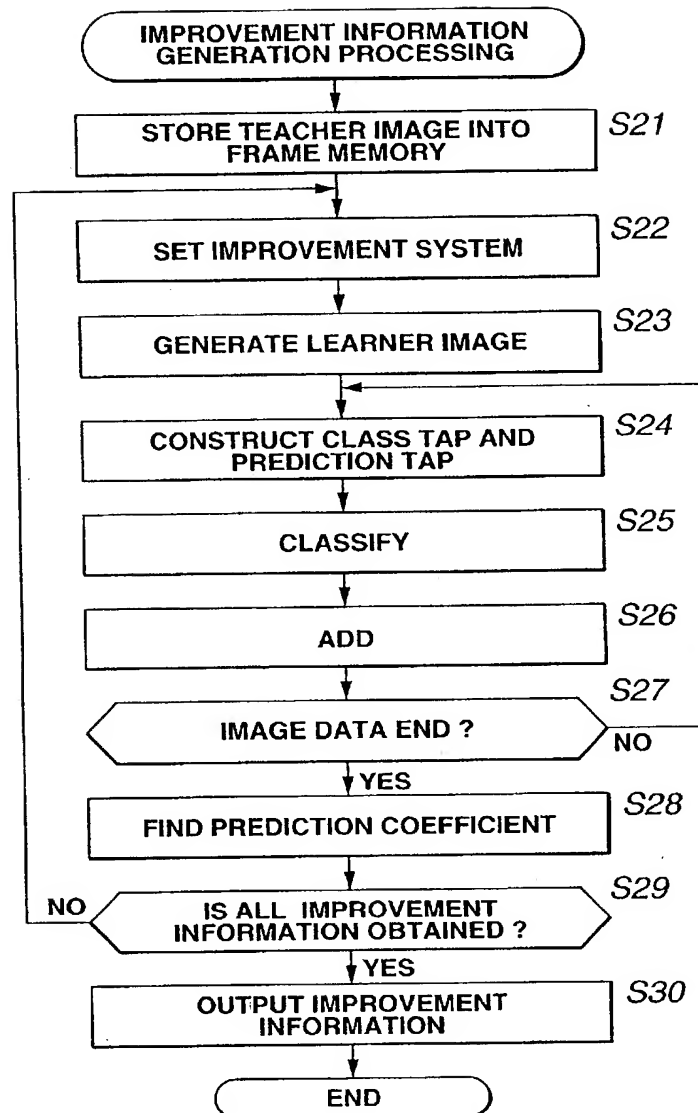


FIG.9

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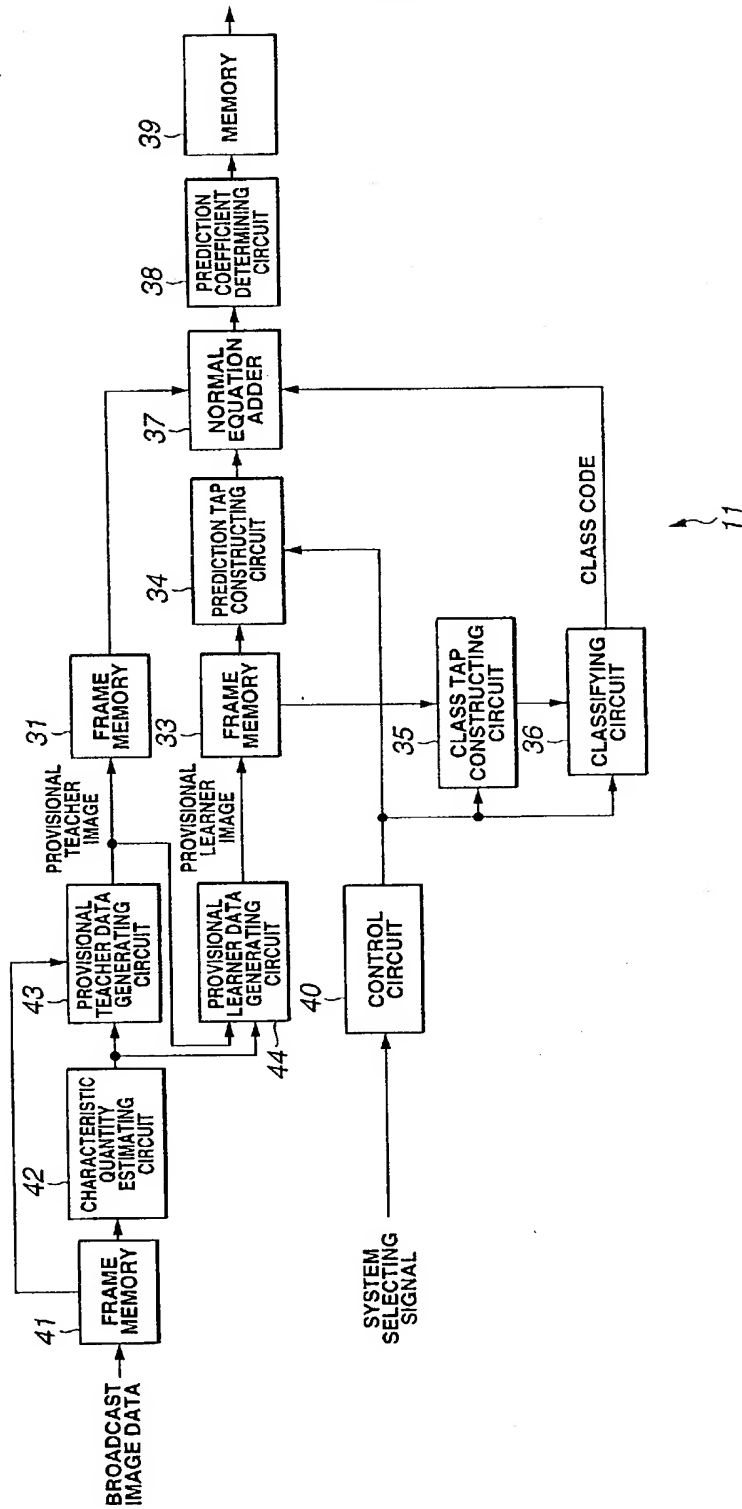


FIG. 10

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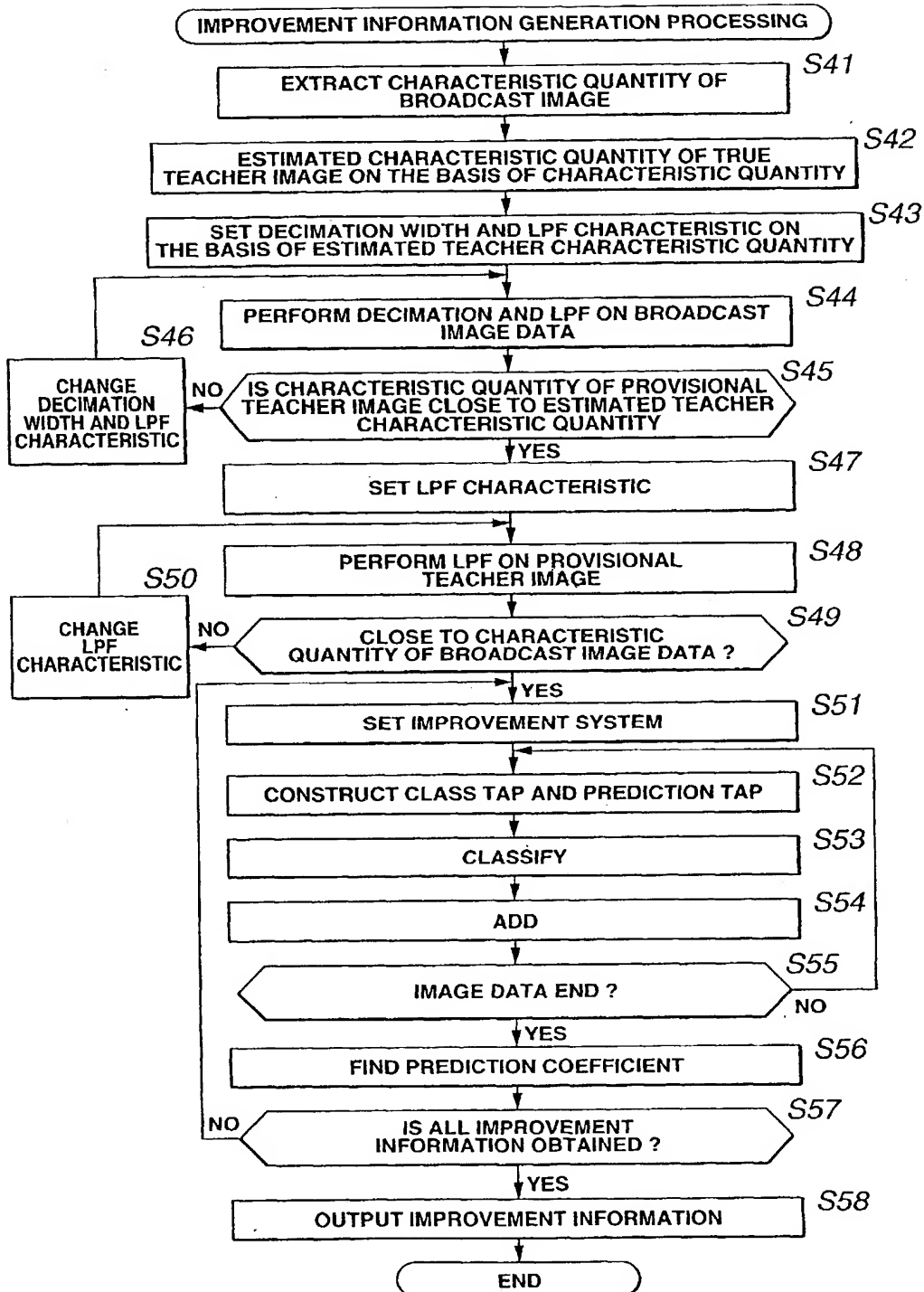


FIG.11

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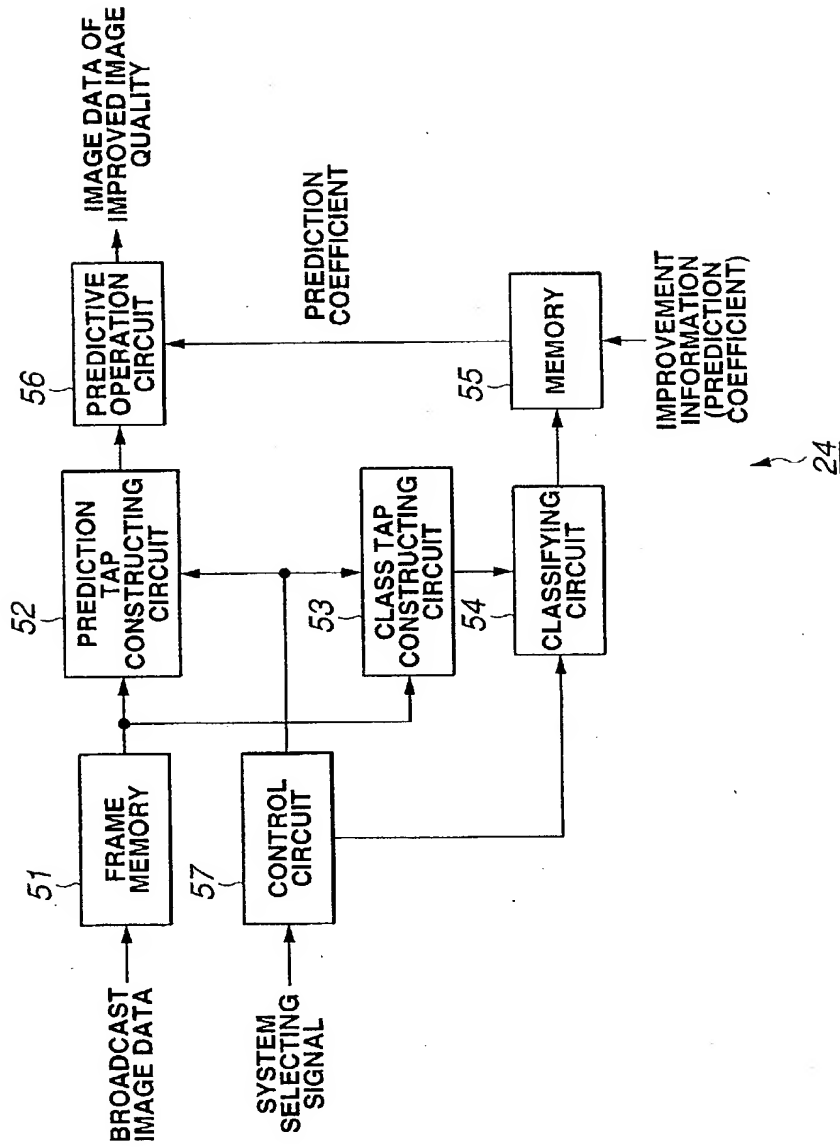


FIG. 12

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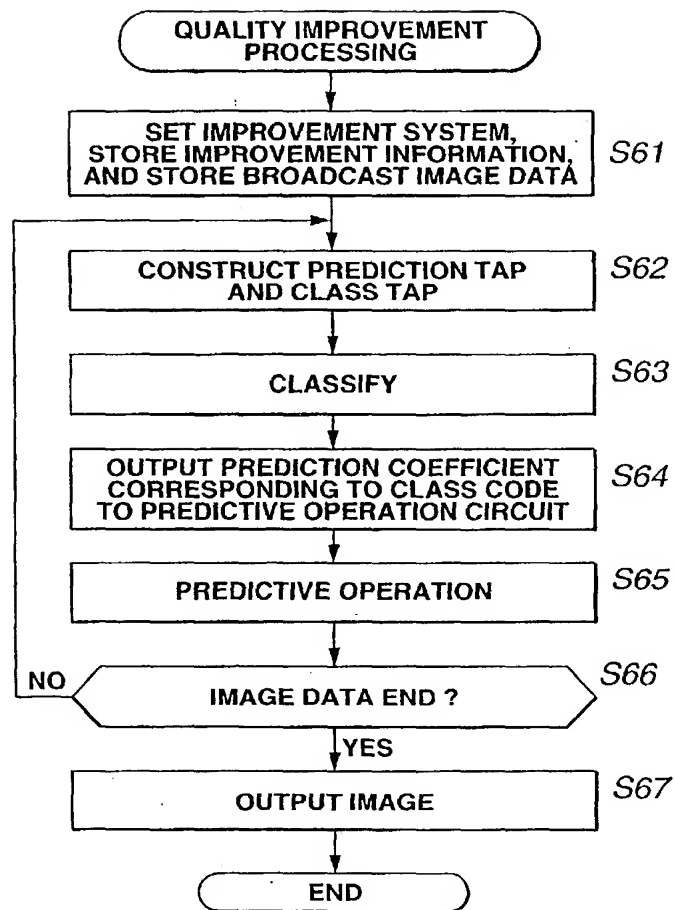


FIG.13

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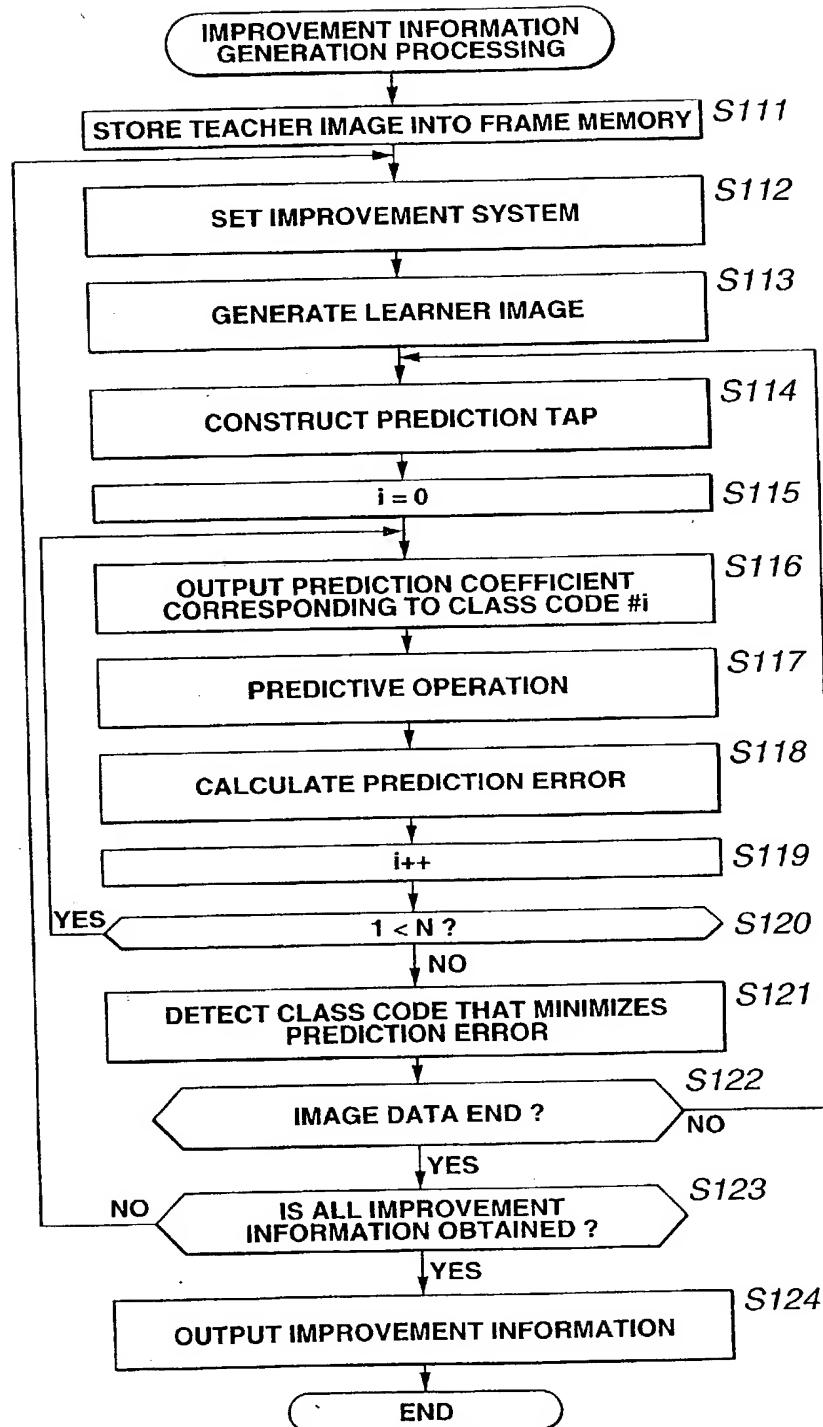


FIG.15

FIG. 16

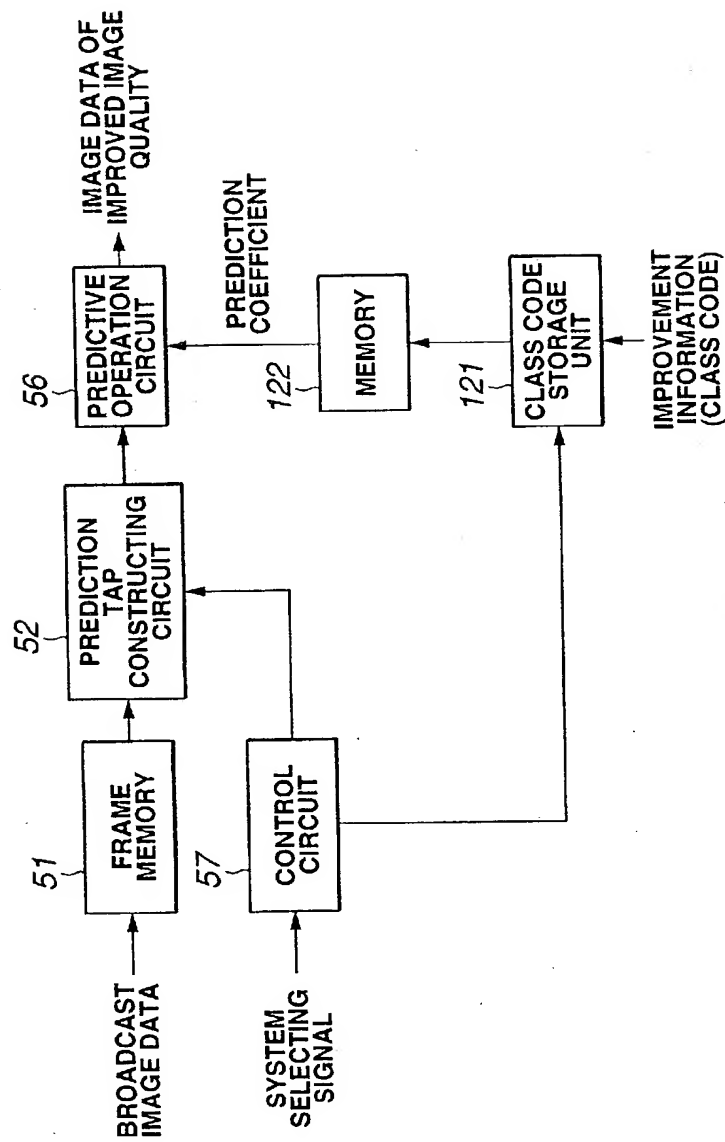


FIG. 17

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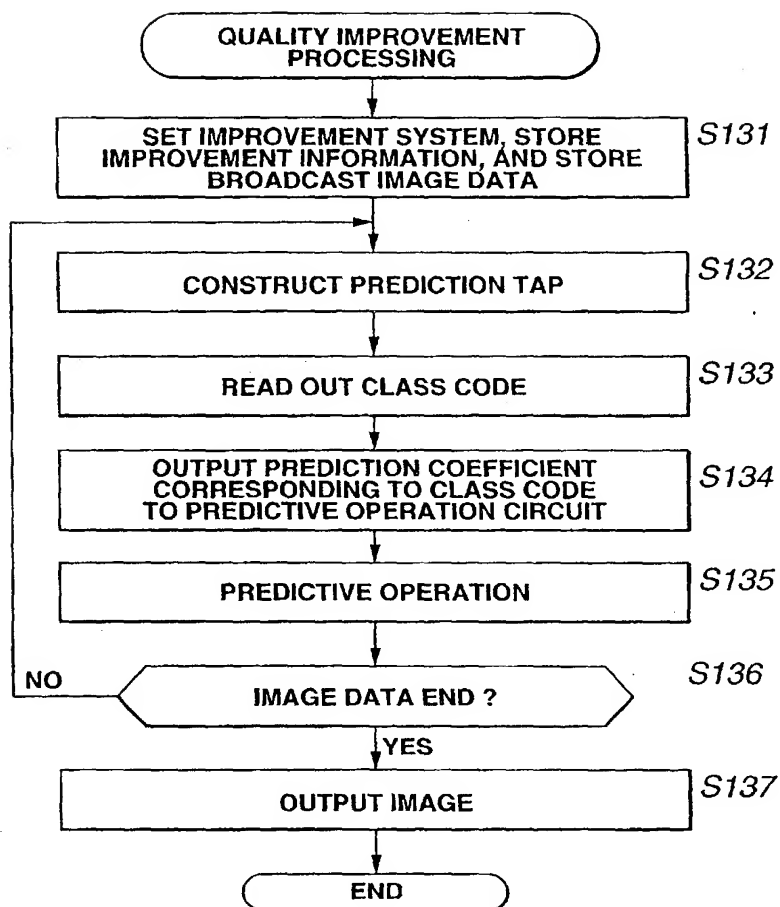


FIG.18

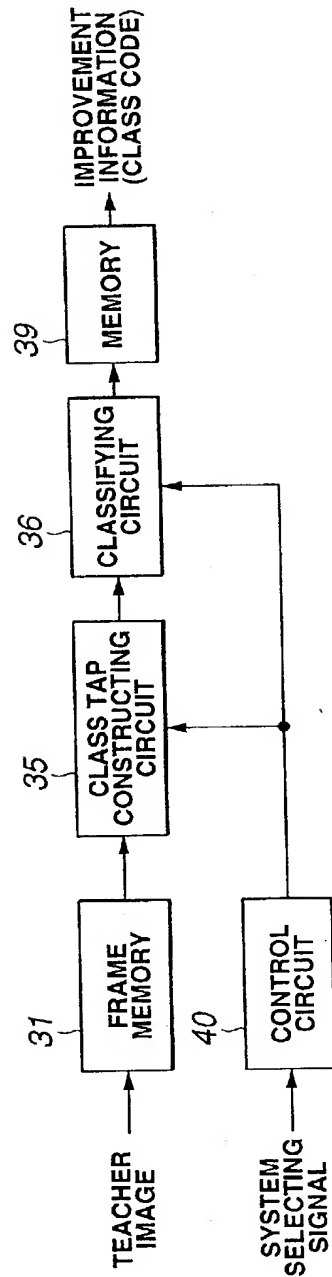


FIG.19

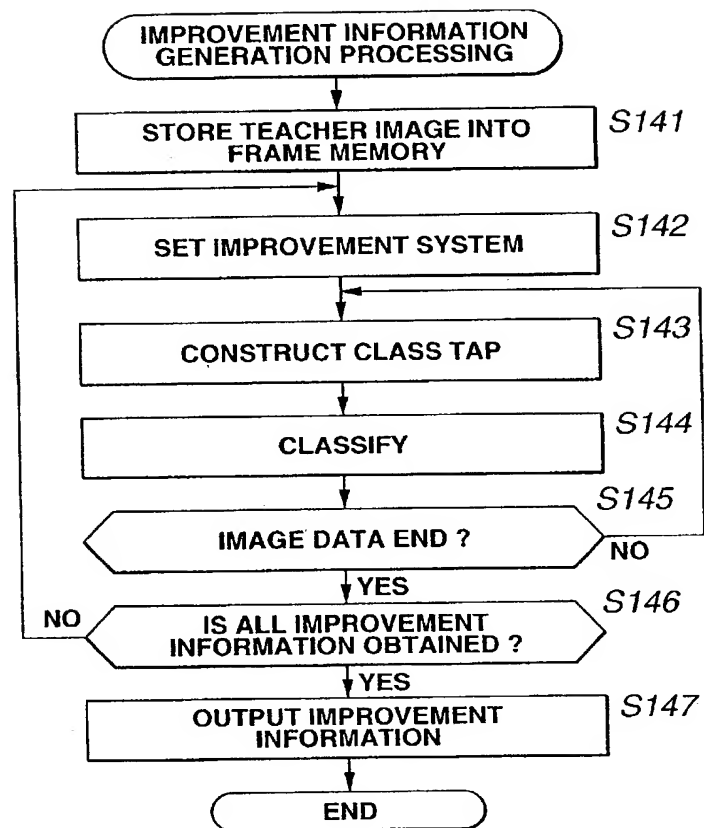


FIG.20

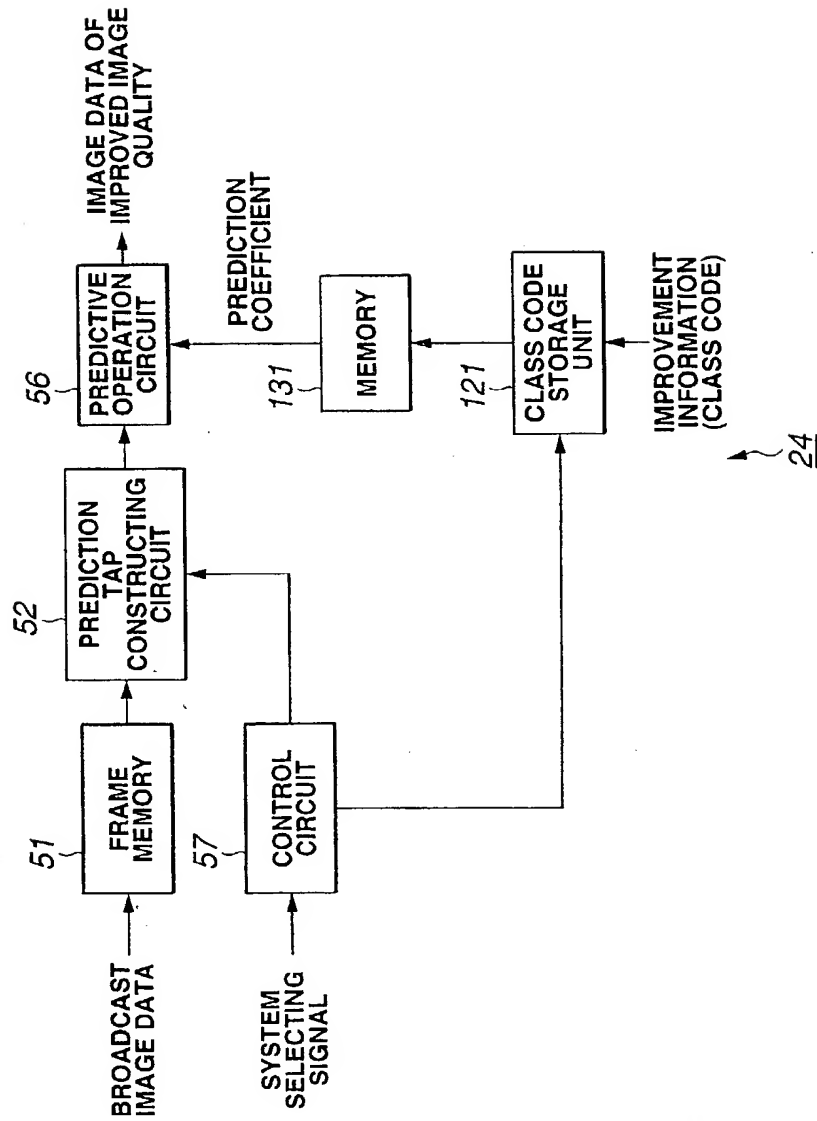


FIG. 21

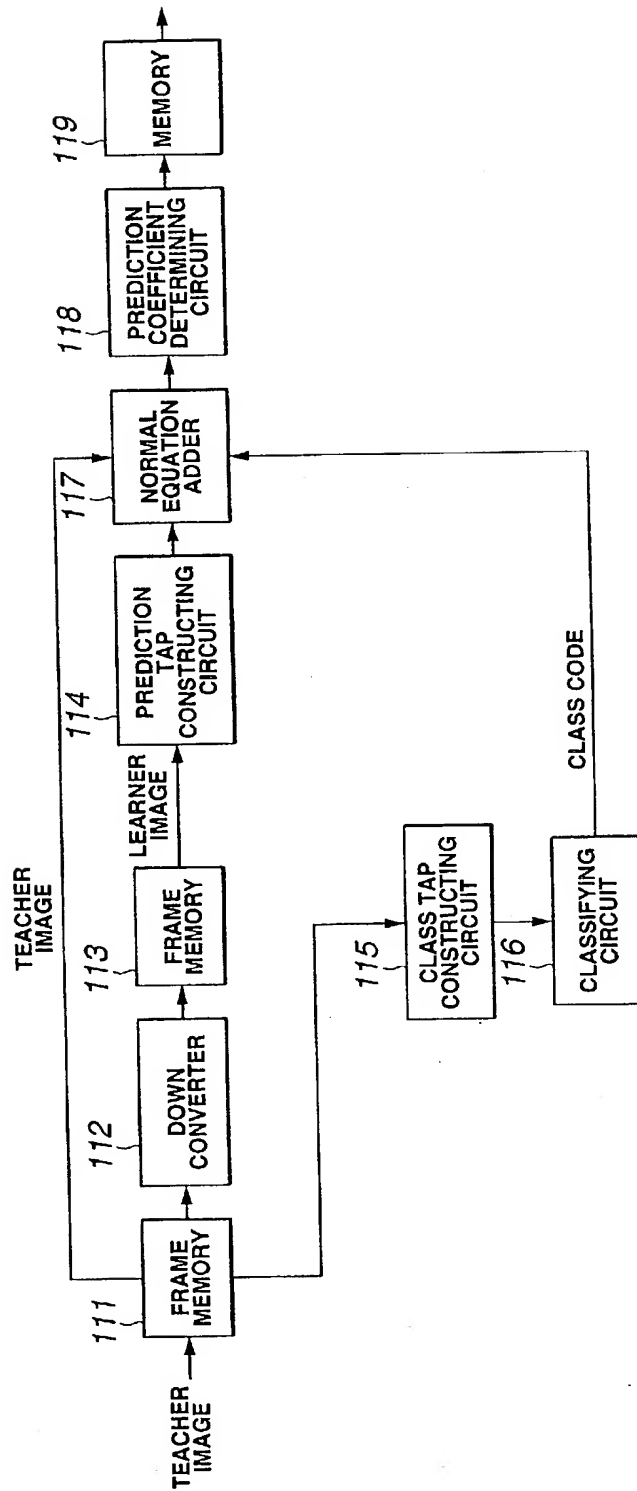


FIG.22

TEACHER IMAGE

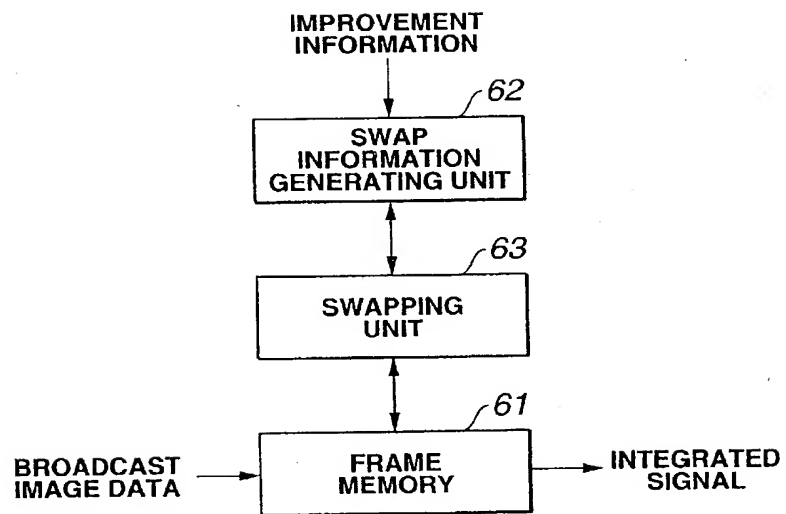


FIG.23

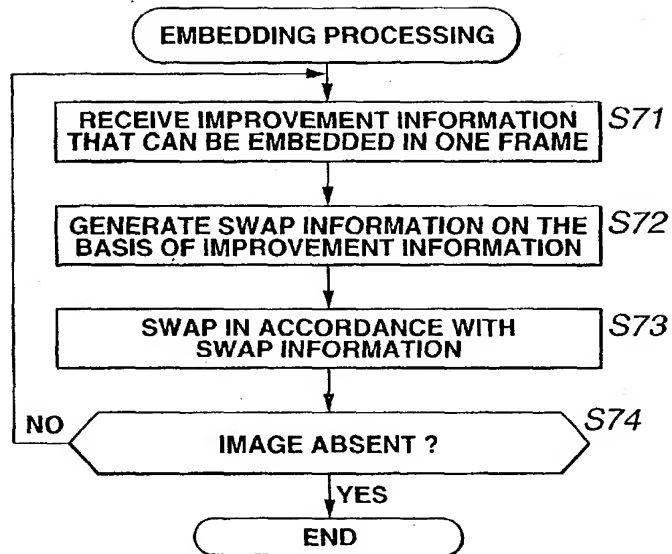
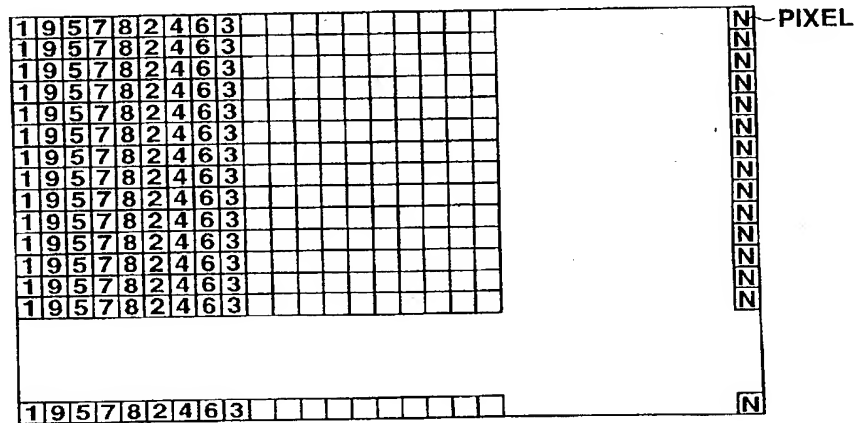
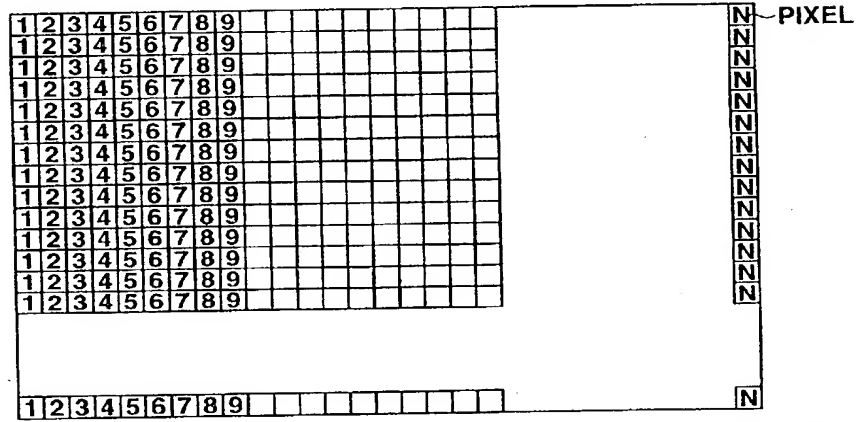
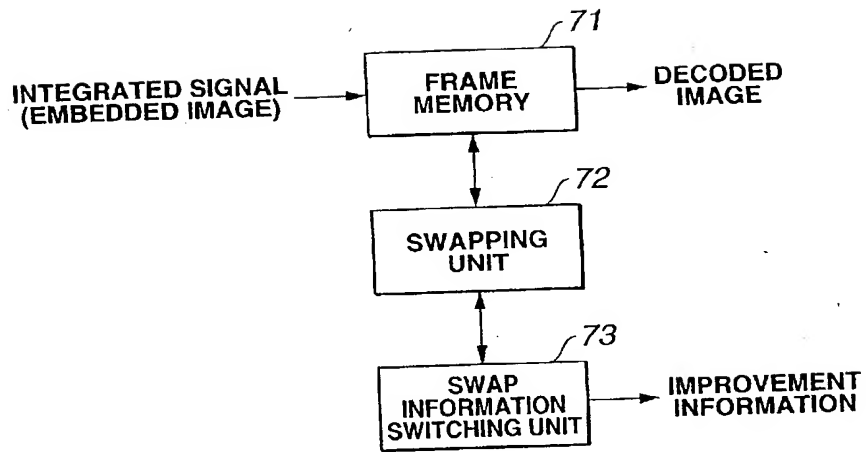


FIG.24



**FIG.26**

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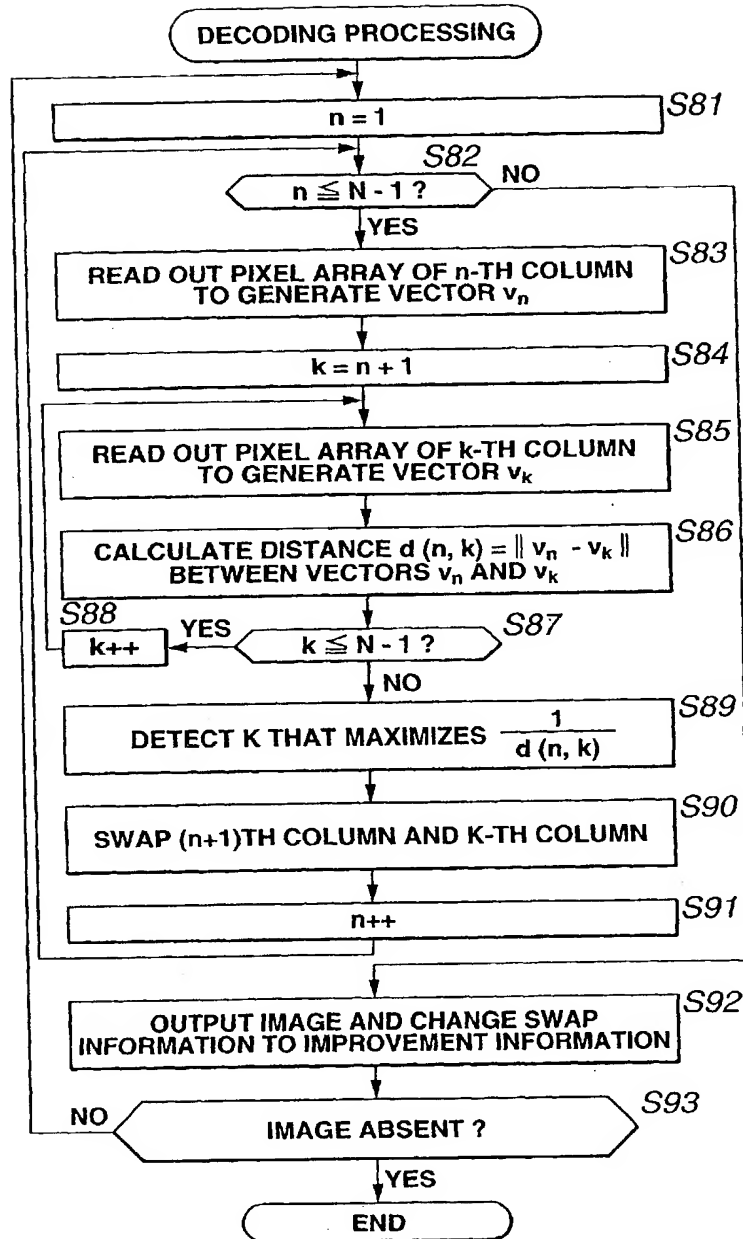


FIG.27

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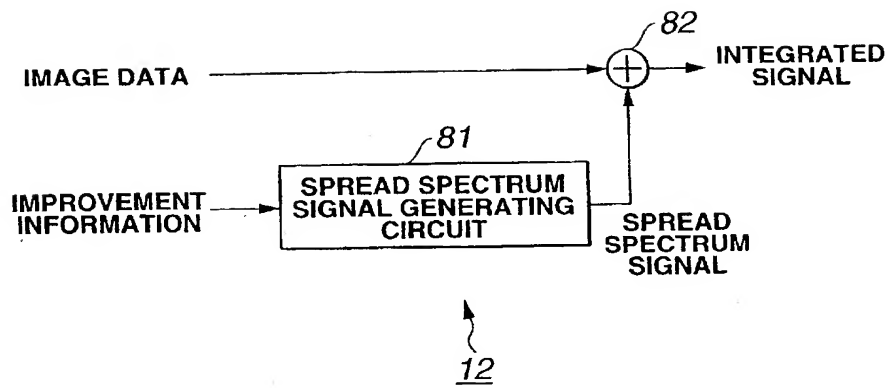


FIG.28

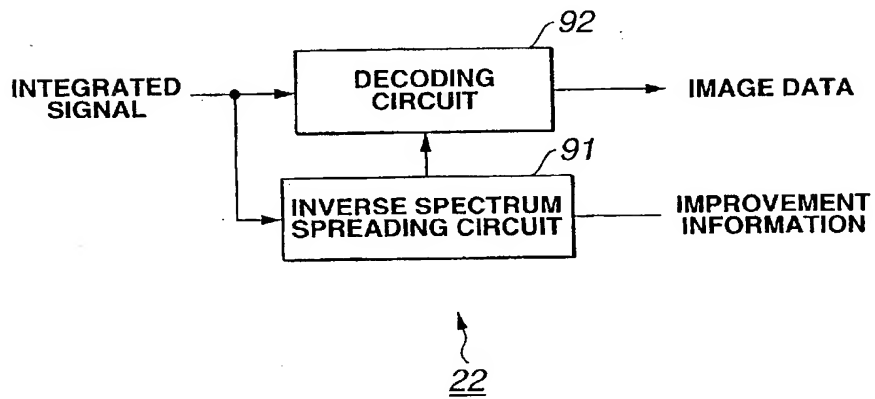


FIG.29

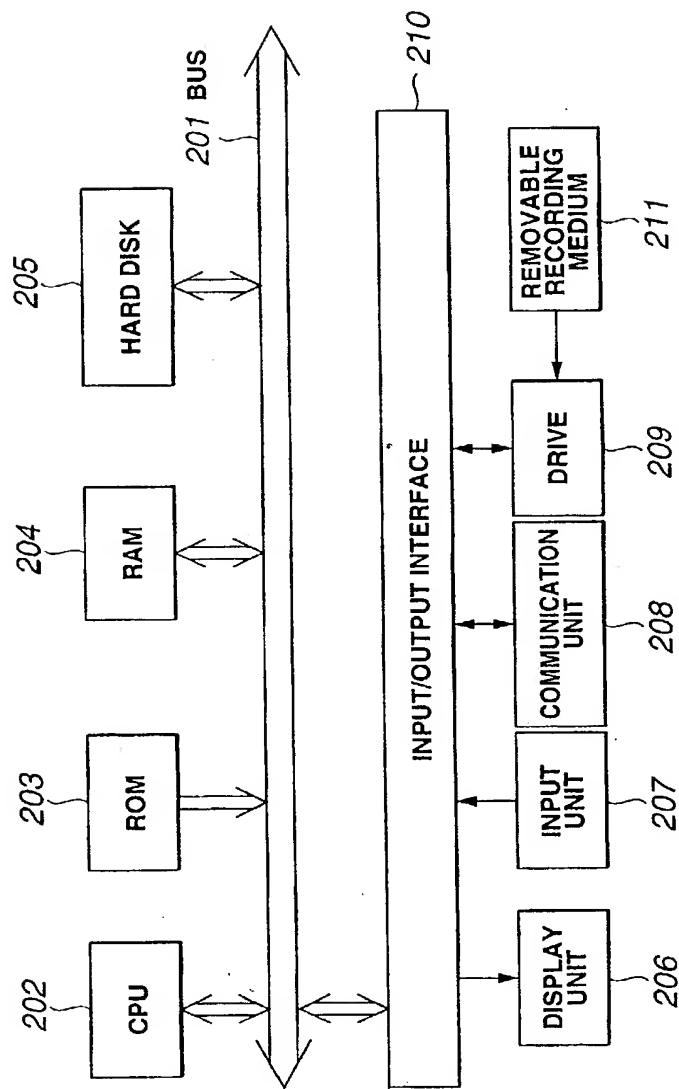


FIG.30